

**IN THE CLAIMS****CLAIM 1. (currently amended)**

A disinfection and purification composition, ~~comprising~~ consisting essentially of:

- (a) at least one metal selected from the group consisting of the metals in the Periodic Table of the Elements, groups 1b,2b,3b,4b,5b,6b,7b,8,3a,4a, and 5a;
- (b) at least one plant extract or chemical equivalent thereof; and
- (c) at least one alcohol.

**CLAIM 2. (currently amended)**

A disinfection and purification composition, ~~comprising~~ consisting essentially of:

- (a) at least one metal selected from the group consisting of the metals in the Periodic Table of the Elements, groups 1b,2b,3b,4b,5b,6b,7b,8,3a,4a, and 5a; and
- (b) at least one plant extract or chemical equivalent thereof.

**CLAIM 3. (currently amended)**

A disinfection and purification composition, ~~comprising~~ consisting essentially of:

- (a) at least one metal selected from the group consisting of the metals in the Periodic Table of the Elements, groups 1b,2b,3b,4b,5b,6b,7b,8,3a,4a, and 5a; and
- (b) at least one alcohol.

**CLAIM 4. (original)** The disinfection and purification composition of **CLAIM 1** wherein at least one of the metals selected is copper.

**CLAIM 5. (original)** The disinfection and purification composition of **CLAIM 1** wherein at least one of the metals selected is silver.

**CLAIM 6. (original)** The disinfection and purification composition of **CLAIM 2** wherein at least one of the metals selected is copper.

**CLAIM 7. (original)** The disinfection and purification composition of **CLAIM 2** wherein at least one of the metals selected is silver.

**CLAIM 8. (original)** The disinfection and purification composition of **CLAIM 3** wherein at least one of the metals selected is copper.

**CLAIM 9. (original)** The disinfection and purification composition of **CLAIM 3** wherein at least one of the metals selected is silver.

**CLAIM 10. (original)** The disinfection and purification composition of **CLAIM 1** wherein the metals selected are copper and silver.

**CLAIM 11.** (original) The disinfection and purification composition of **CLAIM 2** wherein the metals selected are copper and silver.

**CLAIM 12.** (original) The disinfection and purification composition of **CLAIM 3** wherein the metals selected are copper and silver.

**CLAIM 13.** (currently amended) The disinfection and purification composition of **CLAIM 1** wherein the plant extracts or chemical equivalents thereof are selected from the group consisting of angiosperms or chemical equivalents thereof.

**CLAIM 14.** (original) The disinfection and purification composition of **CLAIM 1** wherein the alcohol is glycerol.

**CLAIM 15.** (currently amended) The disinfection and purification composition of **CLAIM 2** wherein the plant extracts or chemical equivalents thereof are selected from the group consisting of angiosperms or chemical equivalents thereof.

**CLAIM 16.** (original) The disinfection and purification composition of **CLAIM 3** wherein the alcohol is glycerol.

**CLAIM 17.** (currently amended) The disinfection and purification composition of **CLAIM 1** wherein the plant extract is extracted from grapefruit or chemical equivalent thereof.

**CLAIM 18.** (currently amended) The disinfection and purification composition of **CLAIM 2** wherein the plant extract is extracted from grapefruit or chemical equivalent thereof.

**CLAIM 19.** (currently amended) A method of manufacturing the disinfection and purification composition of **CLAIM 1** comprising consisting essentially of the steps of:

selecting at least one of the metals from the group consisting of the metals in the Periodic Table of the Elements, groups 1b,2b,3b,4b,5b,6b,7b,8,3a,4a, and 5a;

selecting the plant extract or chemical equivalent thereof;

selecting the alcohol; and

mixing the selected metals together with the selected plant extract or chemical equivalent thereof and the selected alcohol.

**CLAIM 20.** (currently amended) A method of manufacturing the disinfection and purification composition of **CLAIM 2** comprising consisting essentially of the steps of:

selecting at least one of the metals from the group consisting of the metals in the Periodic Table of the Elements, groups 1b,2b,3b,4b,5b,6b,7b,8,3a,4a, and 5a;

selecting the plant extract or chemical equivalent thereof; and

mixing the selected metals together with the selected plant extract or chemical equivalent thereof.

**CLAIM 21.** (currently amended) A method of manufacturing the disinfection and purification composition of **CLAIM 3** comprising consisting essentially of the steps of:

selecting at least one of the metals from the group consisting of the metals in the Periodic Table of the Elements, groups 1b,2b,3b,4b,5b,6b,7b,8,3a,4a, and 5a;

selecting the alcohol; and

mixing the selected metals together with the selected alcohol.

**CLAIM 22.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 19** comprising consisting essentially of the steps of:

infusing the mixture into a user selected item.

**CLAIM 23.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 19** comprising consisting essentially of the steps of:

applying the mixture onto the surface of a user selected item.

**CLAIM 24.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 19** comprising consisting essentially of the steps of:

dissolving the mixture into a user selected liquid.

**CLAIM 25.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 20** comprising consisting essentially of the steps of:

infusing the mixture into a user selected item.

**CLAIM 26.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 20** comprising consisting essentially of the steps of:

applying the mixture onto the surface of a user selected item.

**CLAIM 27.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 20** comprising consisting essentially of the steps of:

dissolving the mixture into a user selected liquid.

**CLAIM 28.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 21** comprising consisting essentially of the steps of:

infusing the mixture into a user selected item.

**CLAIM 29.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 21** comprising consisting essentially of the steps of:

applying the mixture onto the surface of a user selected item.

**CLAIM 30.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 21** comprising consisting essentially of the steps of:

dissolving the mixture into a user selected liquid.

**CLAIM 31.** (currently amended) A method of manufacturing the disinfection and purification composition of **CLAIM 1** comprising consisting essentially of the steps of:

selecting at least one of the metals from the group consisting of the metals in the Periodic Table of the Elements, groups 1b,2b,3b,4b,5b,6b,7b,8,3a,4a, and 5a;

selecting the plant extract or chemical equivalent thereof;

selecting the alcohol;

selecting at least one disinfectant compound from the group consisting of ozone, peroxides, halogens from the Periodic Table of the Elements, group 7a, halogenated hydrocarbons, amides, amines, and halogenated dioxides; and

mixing the selected metals together with the selected plant extract or chemical equivalent thereof, the selected alcohol and the selected disinfectant compounds.

**CLAIM 32.** (currently amended) A method of manufacturing the disinfection and purification composition of **CLAIM 2** comprising consisting essentially of the steps of:

selecting at least one of the metals from the group consisting of the metals in the Periodic Table of the Elements, groups 1b,2b,3b,4b,5b,6b,7b,8,3a,4a, and 5a;

selecting the plant extract or chemical equivalent thereof;

selecting at least one disinfectant compound from the group consisting of ozone, peroxides, halogens from the Periodic Table of the Elements, group 7a, halogenated hydrocarbons, amides, amines, and halogenated dioxides; and

mixing the selected metals together with the selected plant extract or chemical equivalent thereof and the selected disinfectant compounds.

**CLAIM 33.** (currently amended) A method of manufacturing the disinfection and purification composition of **CLAIM 3** comprising consisting essentially of the steps of:

selecting at least one of the metals from the group consisting of the metals in the Periodic Table of the Elements, groups 1b,2b,3b,4b,5b,6b,7b,8,3a,4a, and 5a;

selecting the alcohol;

selecting at least one disinfectant compound from the group consisting of ozone, peroxides, halogens from the Periodic Table of the Elements, group 7a, halogenated hydrocarbons, amides, amines, and halogenated dioxides; and

mixing the selected metals together with the selected alcohol and the selected disinfectant compounds.

**CLAIM 34.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 31** comprising consisting essentially of the steps of:

infusing the mixture into a user selected item.

**CLAIM 35.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 31** comprising consisting essentially of the steps of:

applying the mixture onto the surface of a user selected item.

**CLAIM 36.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 31** comprising consisting essentially of the steps of:

dissolving the mixture into a user selected liquid.

**CLAIM 37.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 32** comprising consisting essentially of the steps of:

infusing the mixture into a user selected item.

**CLAIM 38.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 32** comprising consisting essentially of the steps of:

applying the mixture onto the surface of a user selected item.

**CLAIM 39.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 32** comprising consisting essentially of the steps of:

dissolving the mixture into a user selected liquid.

**CLAIM 40.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 33** comprising consisting essentially of the steps of:

infusing the mixture into a user selected item.

**CLAIM 41.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 33** comprising consisting essentially of the steps of:

applying the mixture onto the surface of a user selected item.

**CLAIM 42.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 33** comprising consisting essentially of the steps of:

dissolving the mixture into a user selected liquid.

**CLAIM 43.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 19** comprising consisting essentially of the steps of:

infusing the mixture into a user selected item; and

exposing the mixture infused item to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

**CLAIM 44.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 19** comprising consisting essentially of the steps of:

applying the mixture onto the surface of a user selected item; and

exposing the mixture applied surface to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

**CLAIM 45.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 19** comprising consisting essentially of the steps of:

dissolving the mixture into a user selected liquid; and

exposing the liquid dissolved mixture to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

**CLAIM 46.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 20** comprising consisting essentially of the steps of:

infusing the mixture into a user selected item; and

exposing the mixture infused item to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

**CLAIM 47.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 20** comprising consisting essentially of the steps of:

applying the mixture onto the surface of a user selected item; and

exposing the mixture applied surface to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

**CLAIM 48.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 20** comprising consisting essentially of the steps of:

dissolving the mixture into a user selected liquid; and

exposing the liquid dissolved mixture to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

**CLAIM 49.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 21** comprising consisting essentially of the steps of:

infusing the mixture into a user selected item; and

exposing the mixture infused item to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

**CLAIM 50.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 21** comprising consisting essentially of the steps of:

applying the mixture onto the surface of a user selected item; and

exposing the mixture applied surface to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

**CLAIM 51.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 21** comprising consisting essentially of the steps of:

dissolving the mixture into a user selected liquid; and

exposing the liquid dissolved mixture to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

**CLAIM 52.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 31** comprising consisting essentially of the steps of:

infusing the mixture into a user selected item; and

exposing the mixture infused item to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

**CLAIM 53.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 31** comprising consisting essentially of the steps of:

applying the mixture onto the surface of a user selected item; and

exposing the mixture applied surface to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

**CLAIM 54.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 31** comprising consisting essentially of the steps of:

dissolving the mixture into a user selected liquid; and



exposing the liquid dissolved mixture to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

**CLAIM 55.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 32** comprising consisting essentially of the steps of:

infusing the mixture into a user selected item; and

exposing the mixture infused item to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

**CLAIM 56.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 32** comprising consisting essentially of the steps of:

applying the mixture onto the surface of a user selected item; and

exposing the mixture applied surface to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

**CLAIM 57.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 32** comprising consisting essentially of the steps of:

dissolving the mixture into a user selected liquid; and

exposing the liquid dissolved mixture to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

**CLAIM 58.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 33** comprising consisting essentially of the steps of:

infusing the mixture into a user selected item; and

exposing the mixture infused item to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

**CLAIM 59.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 33** comprising consisting essentially of the steps of:

applying the mixture onto the surface of a user selected item; and

exposing the mixture applied surface to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

**CLAIM 60.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 33** comprising consisting essentially of the steps of:

dissolving the mixture into a user selected liquid; and

exposing the liquid dissolved mixture to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

**CLAIM 61.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 19** comprising consisting essentially of the steps of:

placing the mixture in a filtration device such that a user selected fluid must pass through the filtration device and dissolve the mixture in the user selected fluid.

**CLAIM 62.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 20** comprising consisting essentially of the steps of:

placing the mixture in a filtration device such that a user selected fluid must pass through the filtration device and dissolve the mixture in the user selected fluid.

**CLAIM 63.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 21** comprising consisting essentially of the steps of:

placing the mixture in a filtration device such that a user selected fluid must pass through the filtration device and dissolve the mixture in the user selected fluid.

**CLAIM 64.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 31** comprising consisting essentially of the steps of:

placing the mixture in a filtration device such that a user selected fluid must pass through the filtration device and dissolve the mixture in the user selected fluid.

**CLAIM 65.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 32** comprising consisting essentially of the steps of:

placing the mixture in a filtration device such that a user selected fluid must pass through the filtration device and dissolve the mixture in the user selected fluid.

**CLAIM 66.** (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 33** comprising consisting essentially of the steps of:

placing the mixture in a filtration device such that a user selected fluid must pass through the filtration device and dissolve the mixture in the user selected fluid.